

TECK®

590TF Series

Electronic Faucet with Surface Mount Control



SPECIFICATION: (Example - 590TF0120)

- Supplied as complete product
- **H₂Optics®** Technology – no external adjustments required
- Chrome-plated one piece **CAST** deckmount hi-rise spout with integral sensor
- Metal hold-down package
- **Hardwire Operated** (24 VAC) infrared electronic handwash system
- Laminar outlet - 1.5 gpm (5.7 L/min)
- Adjustable sensing range and timeout
- Surface mount housing
- Mixing valve required (order separately)
- Serviceable filter screen upstream of the valve

AVAILABLE CONFIGURATIONS:

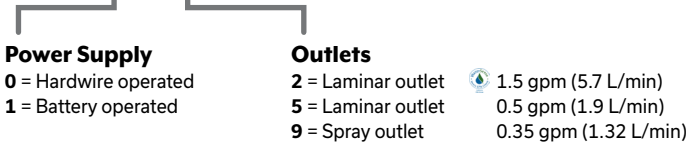
- **Battery Operated** (4 "C" cell) – supplied as complete
- **Hardwire Operated** (24 VAC) – supplied as complete
- **Outlets**
 - Laminar outlet - 1.5 gpm (5.7 L/min)
 - Laminar outlet - 0.5 gpm (1.9 L/min)
 - Spray outlet - 0.35 gpm (1.32 L/min)



MODEL NUMBER EXAMPLE:

Configurations vary, see below for availability.

590TF0120



Available Models		Power Supply			
		0 = Hardwire Operated		1 = Battery Operated	
		Deckmount Hi-Rise Spout		Deckmount Hi-Rise Spout	
Outlet	2 Laminar outlet 1.5 gpm (5.7 L/min)	590TF0120		590TF1120	
	5 Laminar outlet 0.5 gpm (1.9 L/min)	590TF0150		590TF1150	
	9 Spray outlet 0.35 gpm (1.32 L/min)	590TF0190		590TF1190	

Engineer/Architect Approval

Model Specified:

Approval:

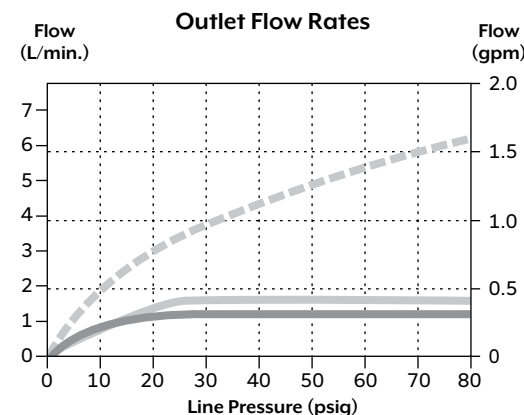
Date:

APPROVALS:

- Complies to ASME A112.18.1/CSA B125.1
-  Indicates compliance to ICC / ANSI A117.1
-  Outlet options 2 is EPA WaterSense® listed
-  Verified compliant with 0.25% weighted average Pb content regulations

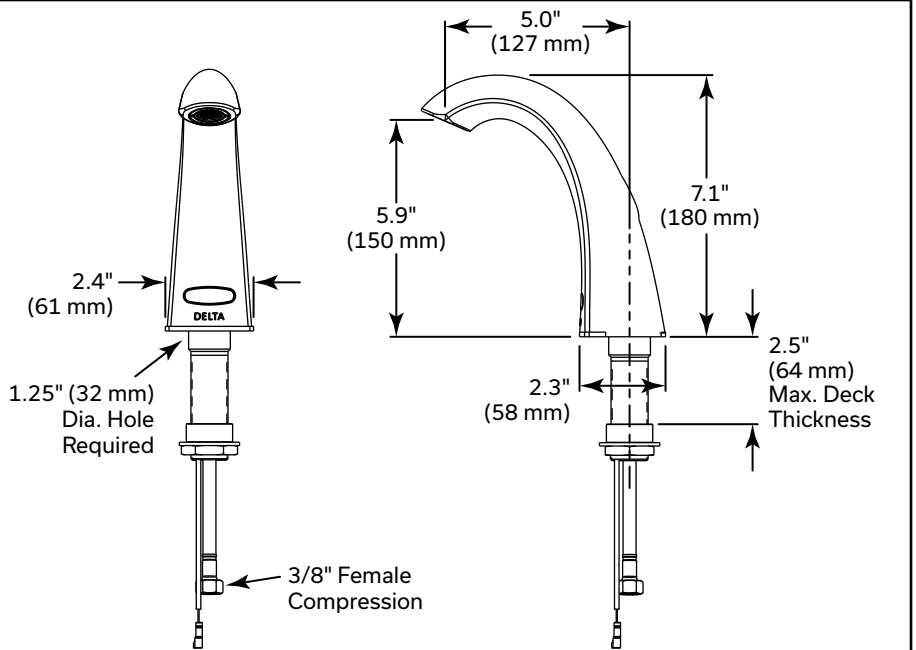
AVAILABLE OPTIONS FOR FIELD CONVERSION (Sold Separately)

- ☐ **060546A - 4" (102 mm) Coverplate**
Includes anti-rotation pin for secure public lavatory installation.
- ☐ **060547A - 8" (203 mm) Coverplate**
Includes anti-rotation pin for secure public lavatory installation.
- ☐ **063268A - Battery backup assembly for surface mount box** (Batteries included)
See DSP-BBBox for detailed specification.
- ☐ **063266A - Plug-in power supply**
- ☐ **061406A - Plug-In with Battery Backup**
- ☐ **060704A - 120 to 24 VAC - Class 2 - 20 VA**
(Up to 5 Electronic Valves)
- ☐ **060771A - 120 to 24 VAC - Class 2 - 40 VA**
(Up to 10 Electronic Valves)
- ☐ **061256A - 36" (914 mm) Sensor Cable Extension**
- ☐ **063272A - Ganging cable**
- ☐ **062032A - Polymer Braided Hose**
- ☐ **060651A - 3 Position Switch**
See DSP-ELACC for detailed specification.



Spout Outlets

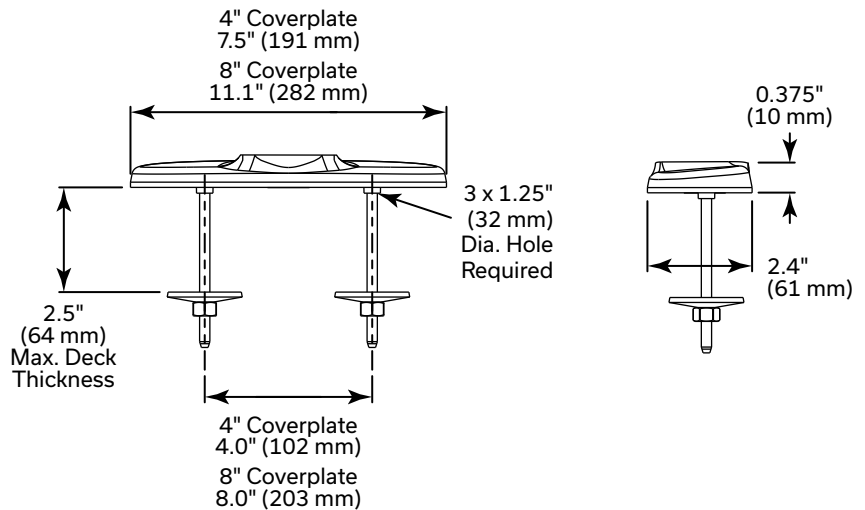
-  No. 2 Laminar Outlet
-  No. 5 Laminar Outlet
-  No. 9 Spray Outlet



060546A - 4" (102 mm) Coverplate

060547A - 8" (203 mm) Coverplate

(sold separately)



NOTICE Measurements may vary $\pm 0.25"$ (6mm)

Watersense® is a registered trademark of the U.S. Environmental Protection Agency

Delta Faucet reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.specselect.com for finish options and product availability.

Flow Rates are at 60 PSI.

NOTICE Use all pages as product submittal sheets.

DSP-590TFB0, Rev A

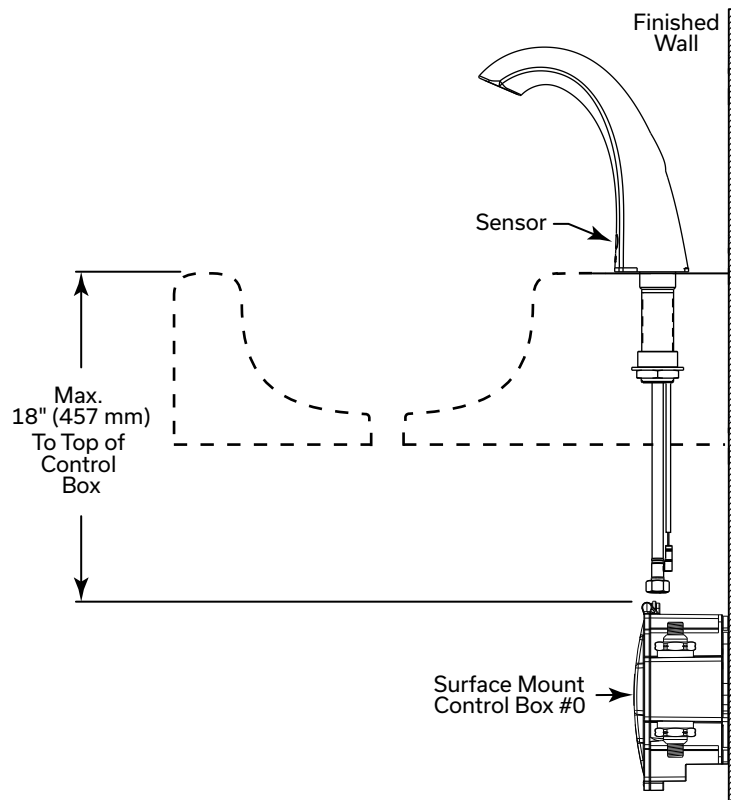
OPERATION:

- Hands free (touchless) operation.
- Water flows when sensor is activated.
- Water flow stops upon de-activation of sensor.
- Adjustable auto shut-off feature. Factory set to 45 seconds. Will reset once obstruction is removed.
- Adjustable sensing distance 3" to 15" (76 to 381mm) factory set to 9" ± 3.0 " (229 mm $\pm$ 76 mm)
- Low battery audible beep (for battery models only) will activate after faucet shuts off when approximately 1500 cycles remain.
- Metering mode with selectable flow times of 7 seconds to 4 minutes, factory set off.
- Periodic Rinse feature, time adjustable in 6 hour increments up to 2 days. Selectable rinsing lengths from 10 to 180 seconds. Factory set off.

NOTICE

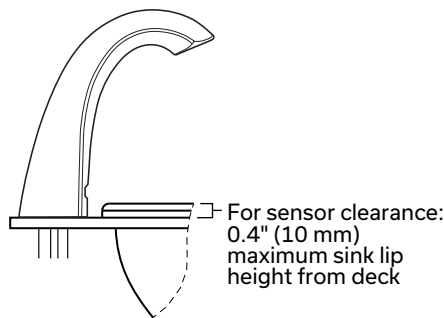
- **#1** - For optimum performance of this product, we recommend a system pressure between 20 and 80 Psi (138 and 552 kPa) static. This product will operate up to a maximum of 125 Psi (862 kPa) static per ANSI and CSA requirements. However, we do not recommend pressures above 80 Psi (552 kPa). Thermal expansion or leaking pressure reducing valves may require use of expansion tanks or relief valves to ensure your system never exceeds its maximum intended pressure setting.
- **#2** - Designed for routine 171°F (77°C) disinfection cycles up to 30 minutes.

TYPICAL INSTALLATION

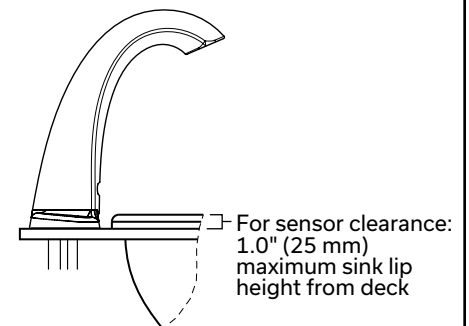


SENSOR CLEARANCE

Without Coverplate



With Coverplate



SURFACE MOUNT CONTROL CONFIGURATIONS

Hardwire Operated

- Supplied as complete product
- **H₂Optics®** Technology – no external adjustments required
- **Hardwire Operated** (24 VAC) infrared electronic handwash system
- Watertight Connector
- Hardwire Converter 24 VAC to 6.4 VDC.
- Surface mount housing
- Serviceable filter screen upstream of the valve
- Mixing valve required (order separately)

Battery Operated

- Supplied as complete product
- **H₂Optics®** Technology – no external adjustments required
- **Battery Operated** (4 "C" cell) infrared electronic handwash system
- Watertight Connector
- Surface mount housing
- Serviceable filter screen upstream of the valve
- Mixing valve required (order separately)

